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Sequence Listing was accepted.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866)  
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=2; day=20; hr=14; min=10; sec=42; ms=201; ]

=====

Application No: 10525126 Version No: 2.1

**Input Set:****Output Set:**

**Started:** 2008-02-20 14:07:54.507  
**Finished:** 2008-02-20 14:08:06.287  
**Elapsed:** 0 hr(s) 0 min(s) 11 sec(s) 780 ms  
**Total Warnings:** 189  
**Total Errors:** 58  
**No. of SeqIDs Defined:** 362  
**Actual SeqID Count:** 362

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (62)
W 213	Artificial or Unknown found in <213> in SEQ ID (63)
W 213	Artificial or Unknown found in <213> in SEQ ID (64)
W 213	Artificial or Unknown found in <213> in SEQ ID (65)
W 213	Artificial or Unknown found in <213> in SEQ ID (66)
W 213	Artificial or Unknown found in <213> in SEQ ID (67)
W 213	Artificial or Unknown found in <213> in SEQ ID (68)
W 213	Artificial or Unknown found in <213> in SEQ ID (69)
W 213	Artificial or Unknown found in <213> in SEQ ID (70)
W 213	Artificial or Unknown found in <213> in SEQ ID (71)

**Input Set:**

**Output Set:**

**Started:** 2008-02-20 14:07:54.507  
**Finished:** 2008-02-20 14:08:06.287  
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**No. of SeqIDs Defined:** 362  
**Actual SeqID Count:** 362

Error code	Error Description
	This error has occurred more than 20 times, will not be displayed
W 402	Undefined organism found in <213> in SEQ ID (87)
W 402	Undefined organism found in <213> in SEQ ID (99)
W 402	Undefined organism found in <213> in SEQ ID (100)
W 402	Undefined organism found in <213> in SEQ ID (119)
W 402	Undefined organism found in <213> in SEQ ID (120)
W 402	Undefined organism found in <213> in SEQ ID (121)
W 402	Undefined organism found in <213> in SEQ ID (122)
W 402	Undefined organism found in <213> in SEQ ID (123)
W 402	Undefined organism found in <213> in SEQ ID (124)
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W 402	Undefined organism found in <213> in SEQ ID (131)
W 402	Undefined organism found in <213> in SEQ ID (132)
W 402	Undefined organism found in <213> in SEQ ID (133)
W 402	Undefined organism found in <213> in SEQ ID (134)
W 402	Undefined organism found in <213> in SEQ ID (135)
	This error has occurred more than 20 times, will not be displayed
E 322	CDS location out of range SEQID (272) At Protein count (34)

**Input Set:**

**Output Set:**

**Started:** 2008-02-20 14:07:54.507  
**Finished:** 2008-02-20 14:08:06.287  
**Elapsed:** 0 hr(s) 0 min(s) 11 sec(s) 780 ms  
**Total Warnings:** 189  
**Total Errors:** 58  
**No. of SeqIDs Defined:** 362  
**Actual SeqID Count:** 362

Error code	Error Description
E 320	Wrong Nucleic Acid Designator, ct in SEQID (272)
E 257	Invalid sequence data feature in <221> in SEQ ID (298)
E 257	Invalid sequence data feature in <221> in SEQ ID (302)
E 257	Invalid sequence data feature in <221> in SEQ ID (302)
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# SEQUENCE LISTING

<110> DOUGLAS, SUSAN  
GALLANT, JEFFREY  
PATRZYKAT, ALEKSANDER

<120> A GENOMIC APPROACH TO IDENTIFICATION OF NOVEL  
BROAD-SPECTRUM ANTIMICROBIAL PEPTIDES FROM BONY FISH

<130> 6899-6 LAB

<140> 10525126

<141> 2005-02-18

<150> PCT/CA03/001323

<151> 2003-08-22

<150> 60/404,922

<151> 2002-08-22

<160> 362

<170> PatentIn Ver. 3.3

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<212> PRT

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<223> Description of Artificial Sequence: Synthetic primer

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<400> 13

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1 5

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1 5

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1 5

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<210> 45  
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<210> 50  
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<210> 51  
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<211> 6

<212> PRT

<213> Salmo salar

<400> 55

Met Asn Leu Pro Met His

1 5

<210> 56

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<211> 8

<212> PRT

<213> Salmo salar

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Ile Val Gly Arg Pro Arg His Gln

1 5

<210> 59

<211> 23

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<210> 60

<211> 8

<212> PRT

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 pleurocidin-like peptide

<220>  
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 pleurocidin-like peptide

<220>  
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<400> 63  
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 1 5 10 15  
 Leu Asp His Leu  
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<210> 64  
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pleurocidin-like peptide

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<223> c-term amidation

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Gly Arg Arg Lys Arg Lys Trp Leu Arg Arg Ile Gly Lys Gly Val Lys  
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<210> 65

<211> 25

<212> PRT

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pleurocidin-like peptide

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Gly Lys Ala Ala Leu Thr His Tyr Leu  
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<210> 66

<211> 24

<212> PRT

<213> Artificial Sequence

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pleurocidin-like peptide

<220>

<223> c-term amidation

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Phe Leu Gly Ala Leu Ile Lys Gly Ala Ile His Gly Gly Arg Phe Ile  
1 5 10 15

His Gly Met Ile Gln Asn His His  
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<210> 67

<211> 25

<212> PRT

<213> Artificial Sequence

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pleurocidin-like peptide

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<223> c-term amidation

<400> 67

Gly Trp Gly Ser Ile Phe Lys His Gly Arg His Ala Ala Lys His Ile  
1 5 10 15

Gly His Ala Ala Val Asn His Tyr Leu  
20 25

<210> 68

<211> 25

<212> PRT

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pleurocidin-like peptide

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<223> c-term amidation

<400> 68

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1 5 10 15

Gly Lys Ala Ala Leu Thr Ala Tyr Leu  
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<210> 69

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<212> PRT

<213> Artificial Sequence

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pleurocidin-like peptide

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<223> c-term amidation

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Asn Ala Met Asn Ala  
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<210> 70  
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pleurocidin-like peptide

<220>  
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Asn Ala Ala

<210> 71  
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pleurocidin-like peptide

<220>  
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Pro Arg Ala

<210> 72  
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pleurocidin-like peptide

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Gly Gly Leu Ala Leu Asp His Tyr Leu  
20 25

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pleurocidin-like peptide

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Gly Gly Leu Ala Val Asp His Tyr Leu  
20 25

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20 25

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1 5 10 15

Leu His Leu His Leu  
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<210> 77

<211> 19

<212> PRT

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pleurocidin-like peptide

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1 5 10 15

Ala Ile Lys

<210> 78

<211> 23

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